

FIG. 1 (PRIOR ART)

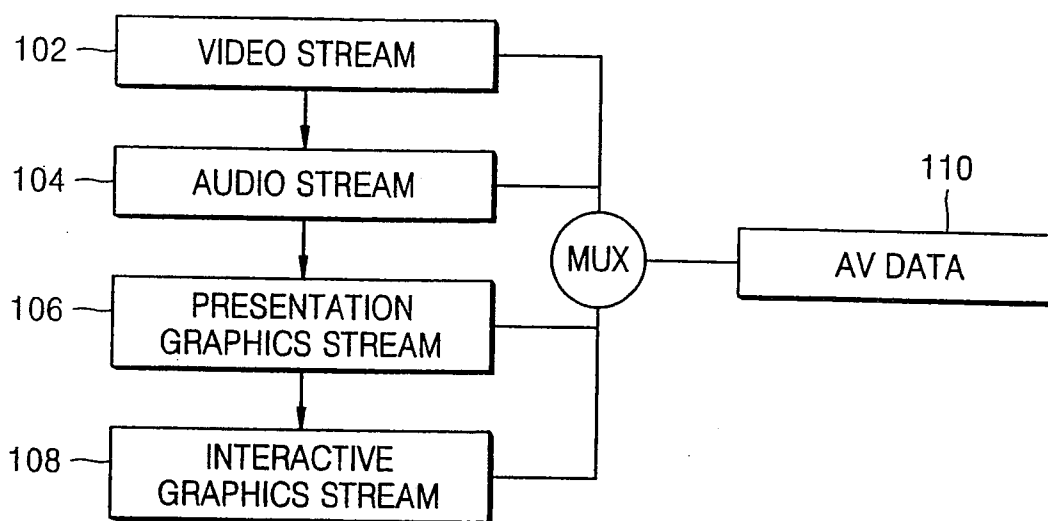


FIG. 2 (PRIOR ART)

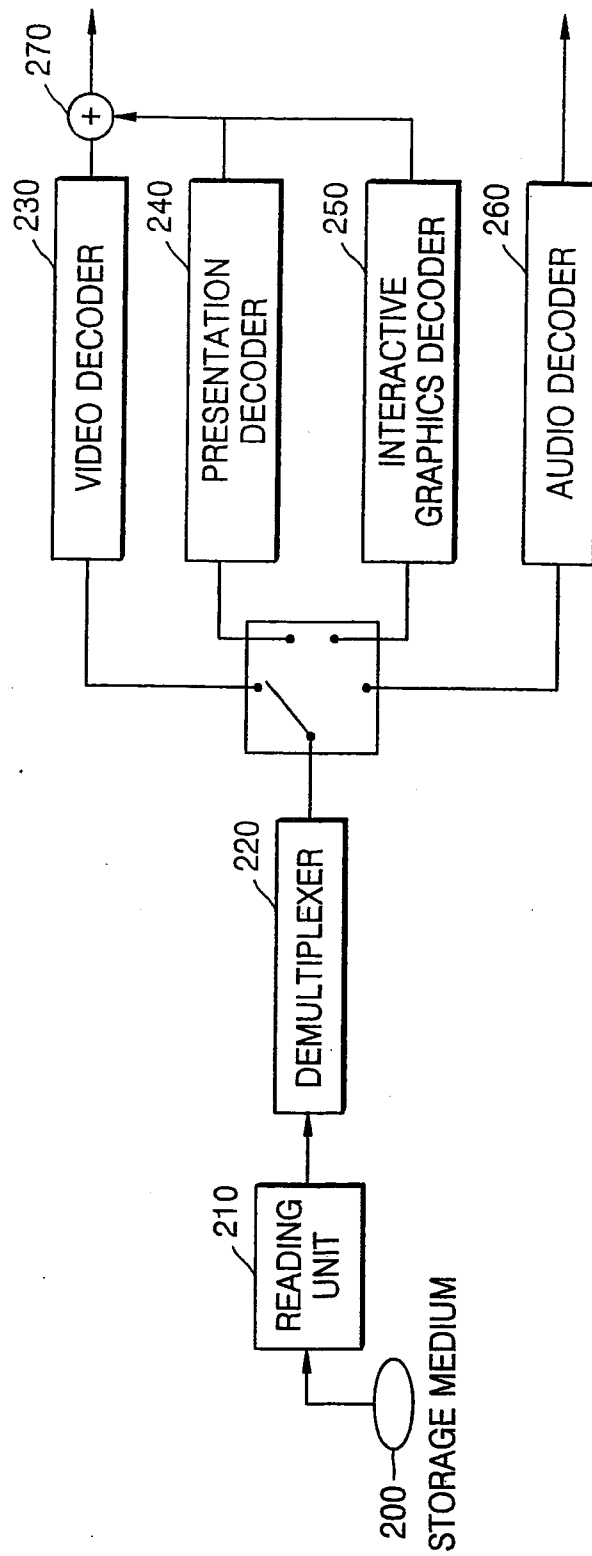


FIG. 3

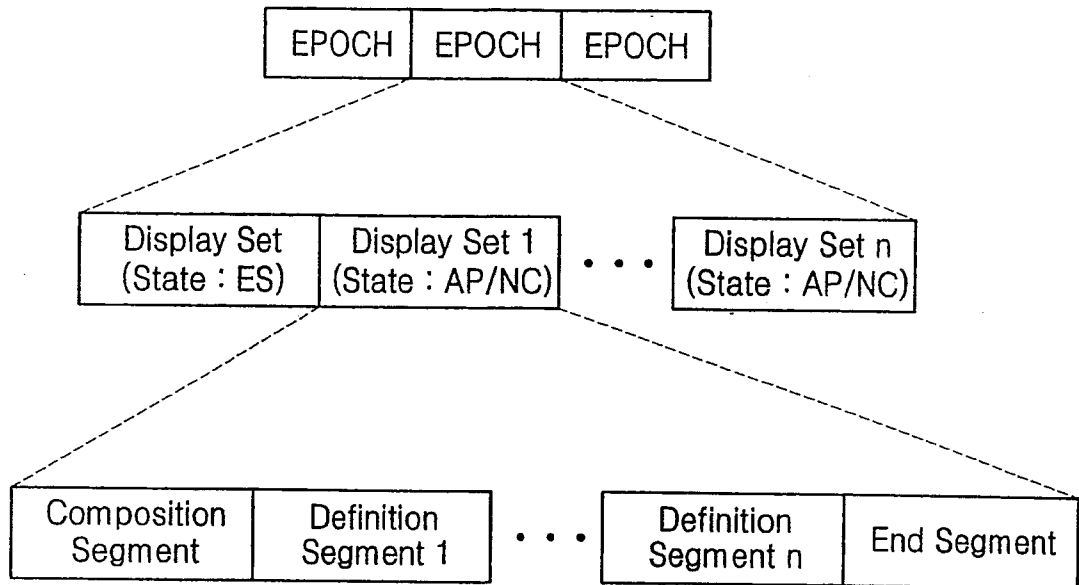


FIG. 4

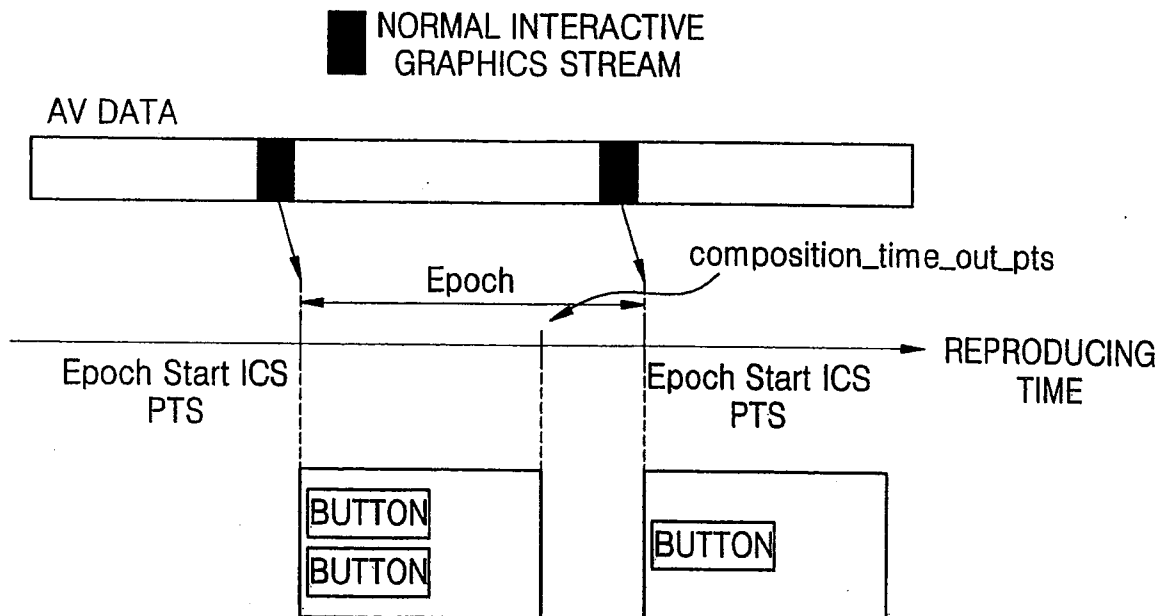


FIG. 5A

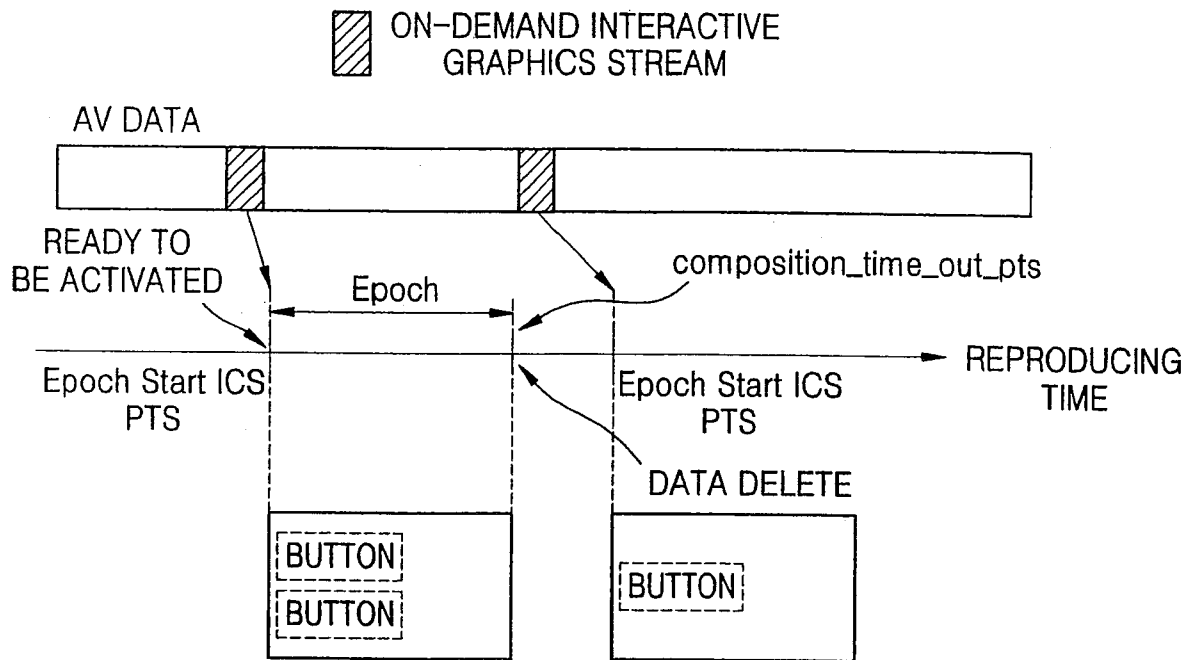


FIG. 5B

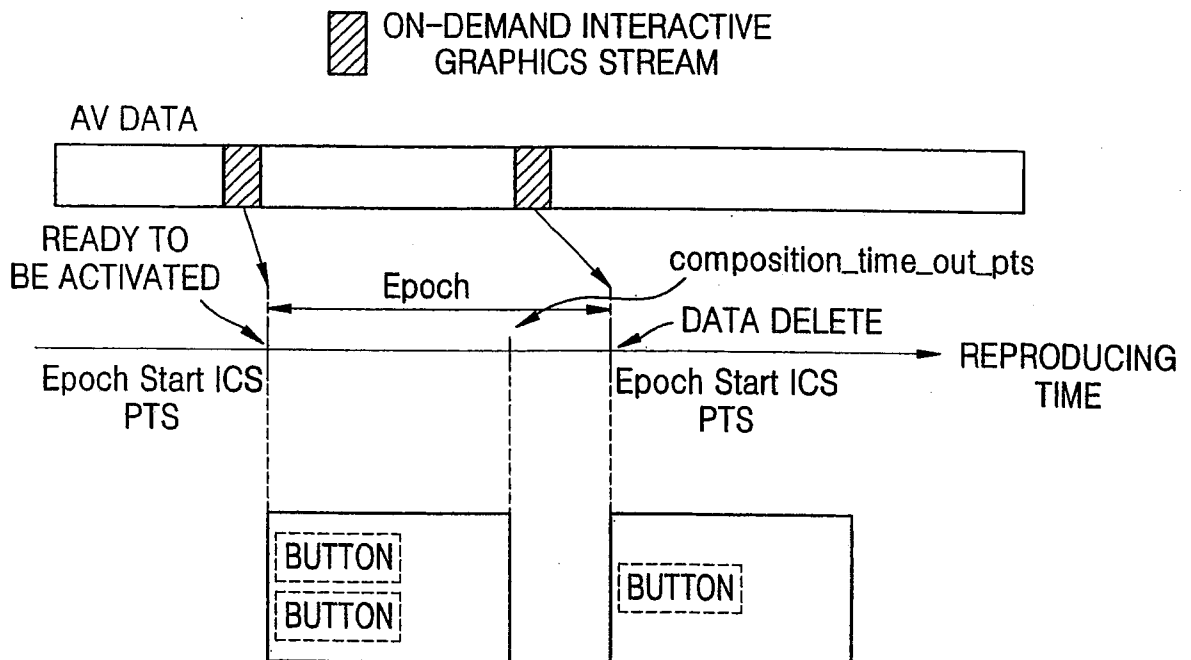


FIG. 6A

```

graphics_segment ( ) {
    segment_descriptor ( ) — 602
    segment_data
}
    
```

FIG. 6B

```

segment_descriptor ( ) {
    segment_type ( ) — 604
    segment_length
}
    
```

FIG. 6C

value	segment_type	
0x00 – 0x13	reserved	
0x14	Palette Definition Segment	
0x15	Object Definition Segment	
0x16	Presentation Composition Segment	
0x17	Window Definition Segment	
0x18	Normal_ICS	606
0x19	On_demand_ICS	607
0x1A – 0x7F	reserved	
0x80	End of Display Set Segment	
0x81 – 0xFF	reserved	

FIG. 7

```
interactive_composition_segment ( ) {  
    segment_type  
    segment_length  
    ICS_type —702  
    ...  
}
```

FIG. 8

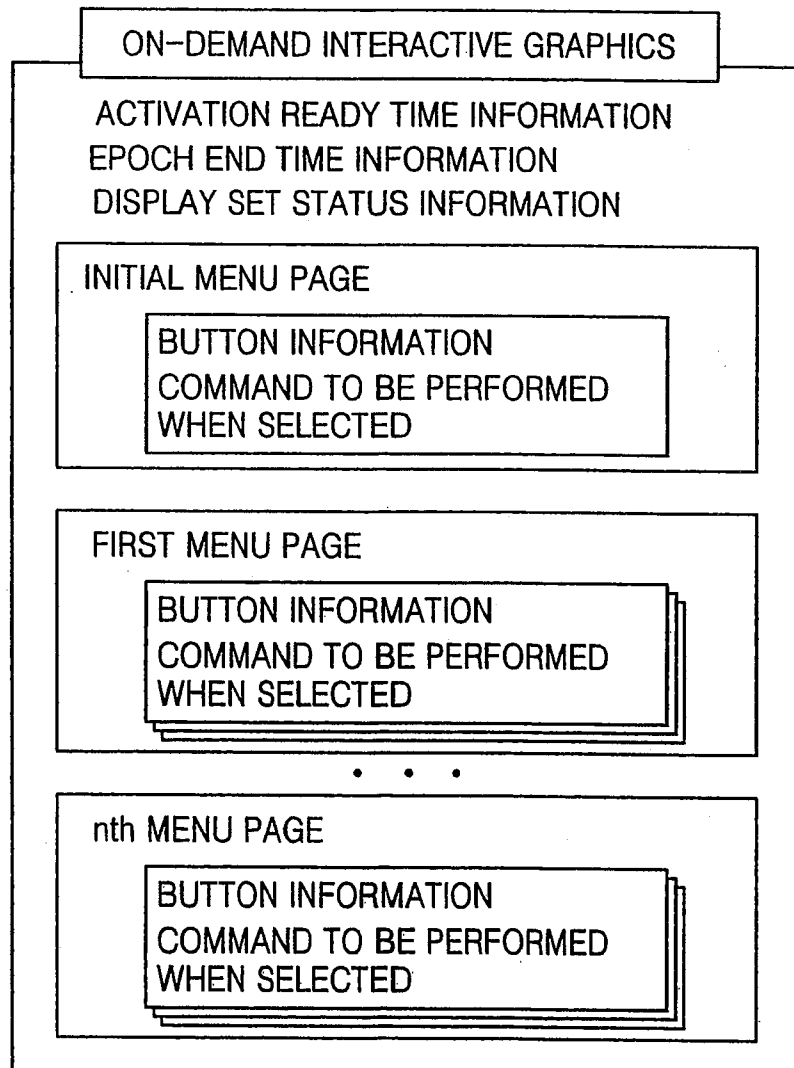


FIG. 9

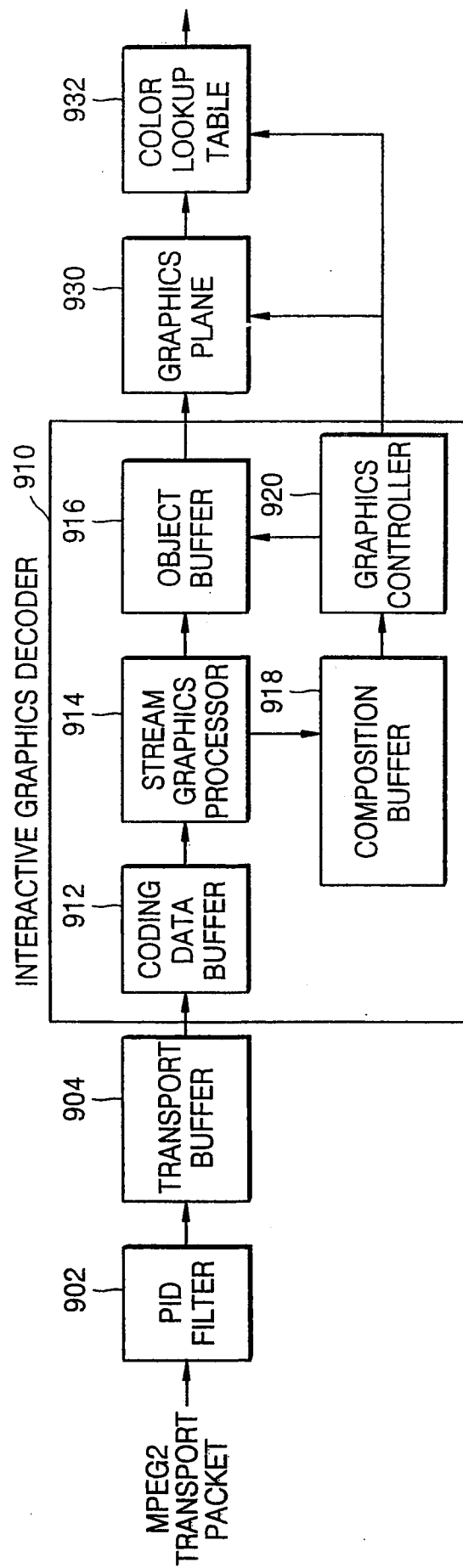
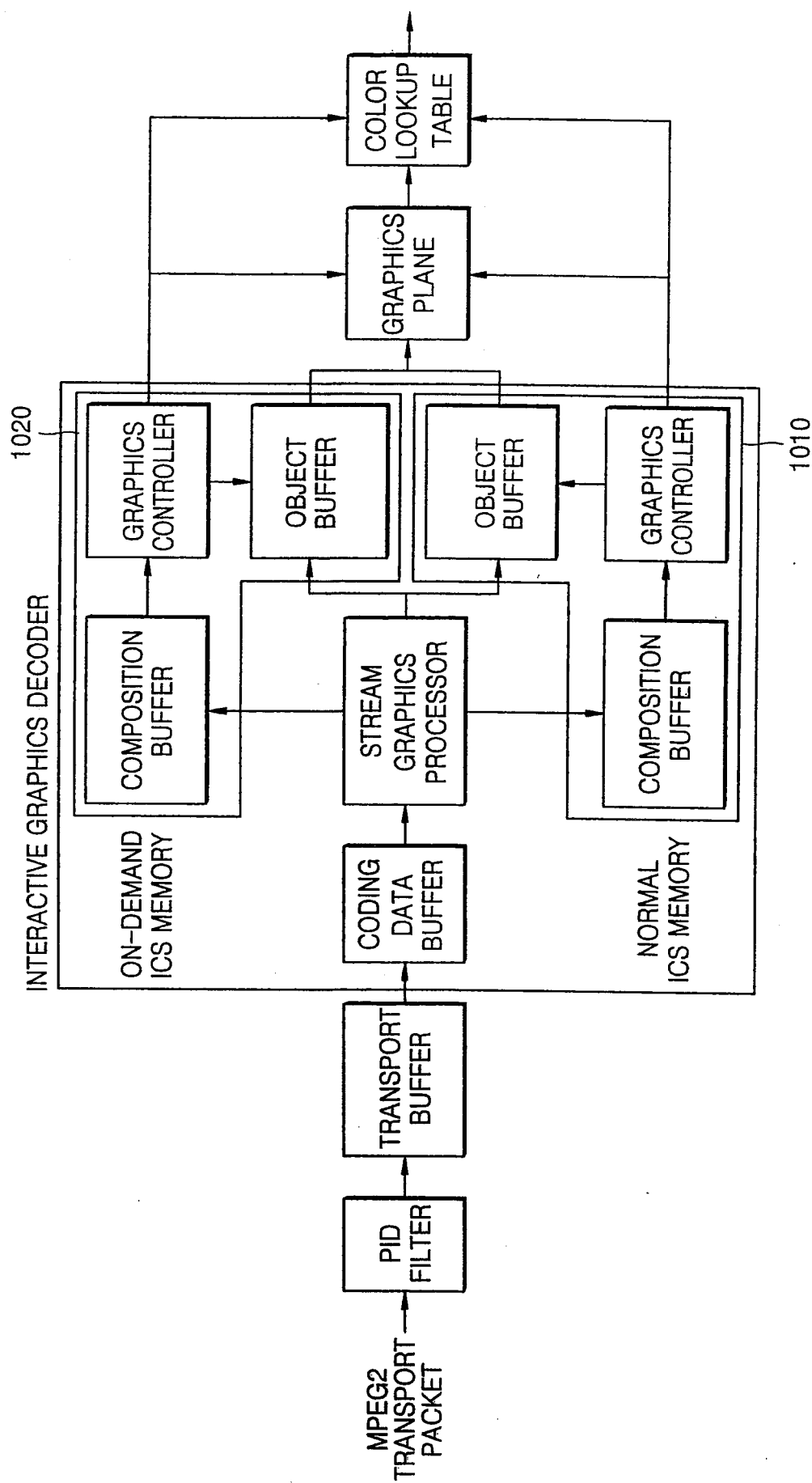


FIG. 10



AV DATA STREAM

FIG. 11A



FIG. 11B



FIG. 11C

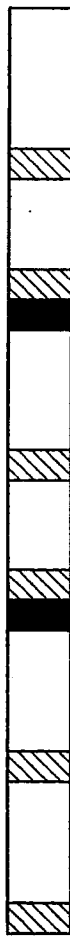


FIG. 11D

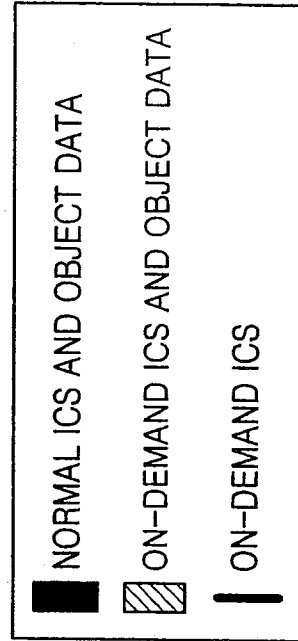


FIG. 12

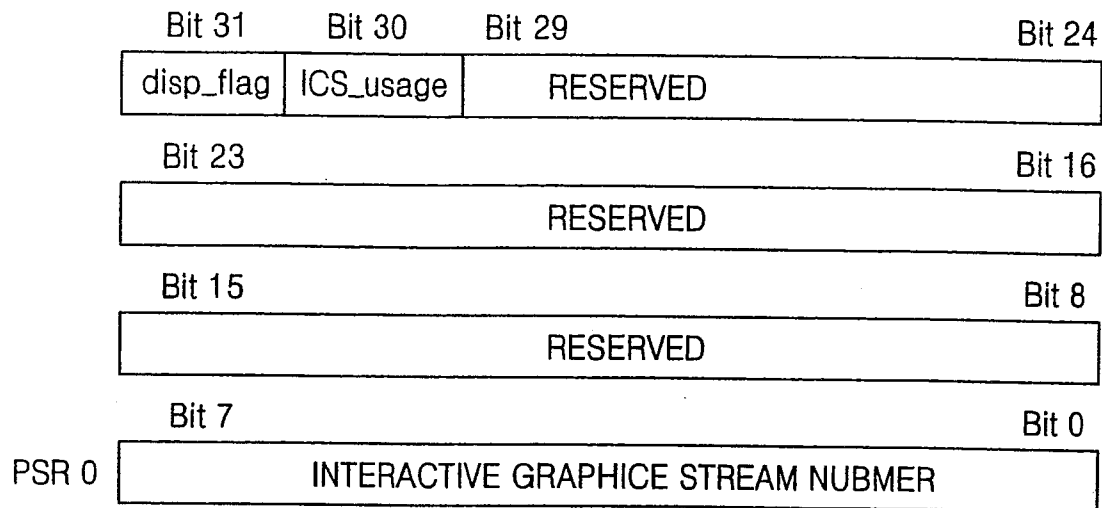


FIG. 13

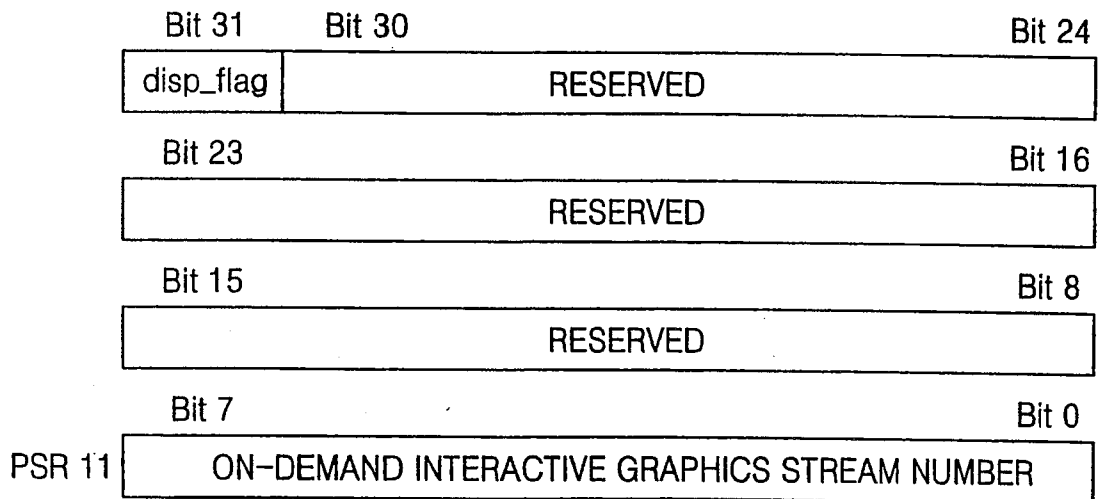
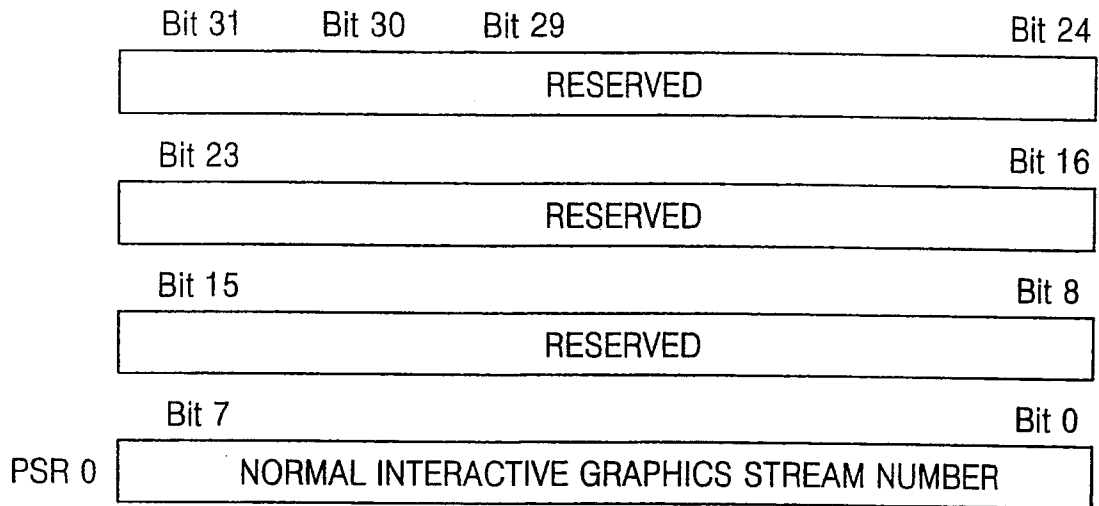


FIG. 14

```
Activate_On_demand ( ) {  
    if (On-demand ICS ready) {  
        On-demand ICS display  
        set focus  
    }  
    else {  
        do nothing  
        or  
        display message – "Not available On-demand ICS"  
    }  
}
```

FIG. 15A

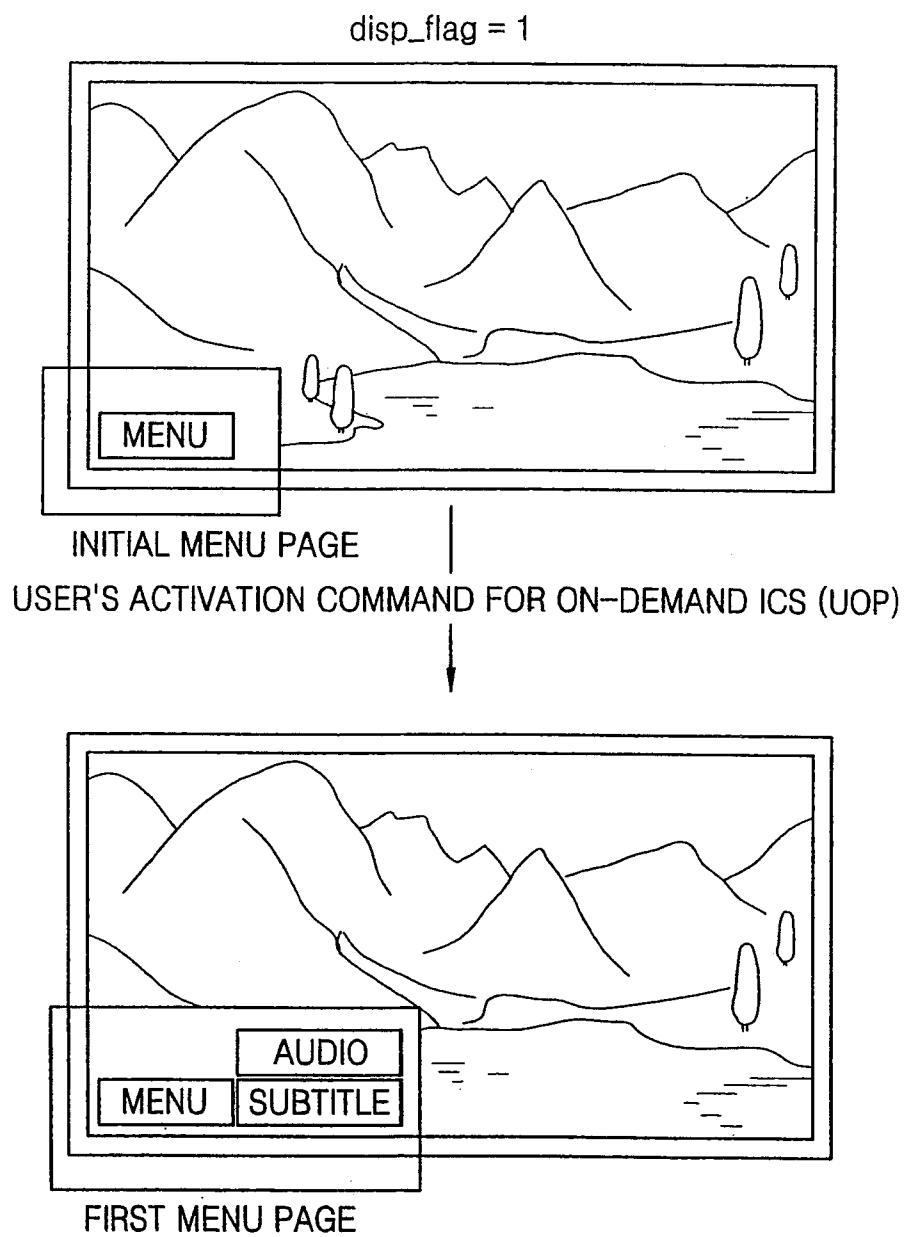
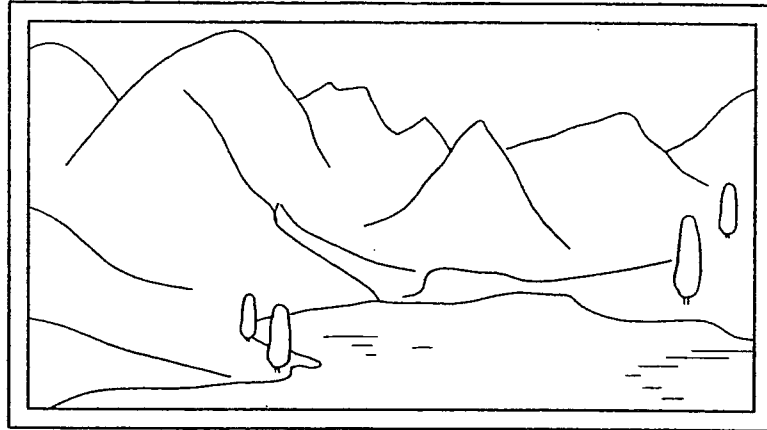


FIG. 15B

disp_flag = 0



↓
USER'S ACTIVATION COMMAND FOR ON-DEMAND ICS (UOP)

↓
IGNORE USER'S ACTIVATION COMMAND
OR
DISPLAY FIRST MENU PAGE

FIG. 16

Menu	
Subtitle Language	[English]
Audio Language	[Korean]
On-demand ICS Display	[On]

FIG. 17

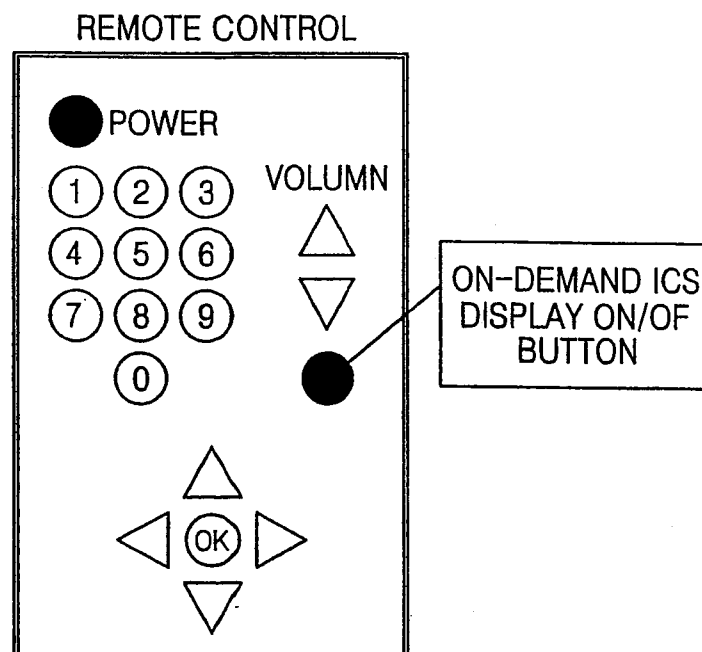


FIG. 18

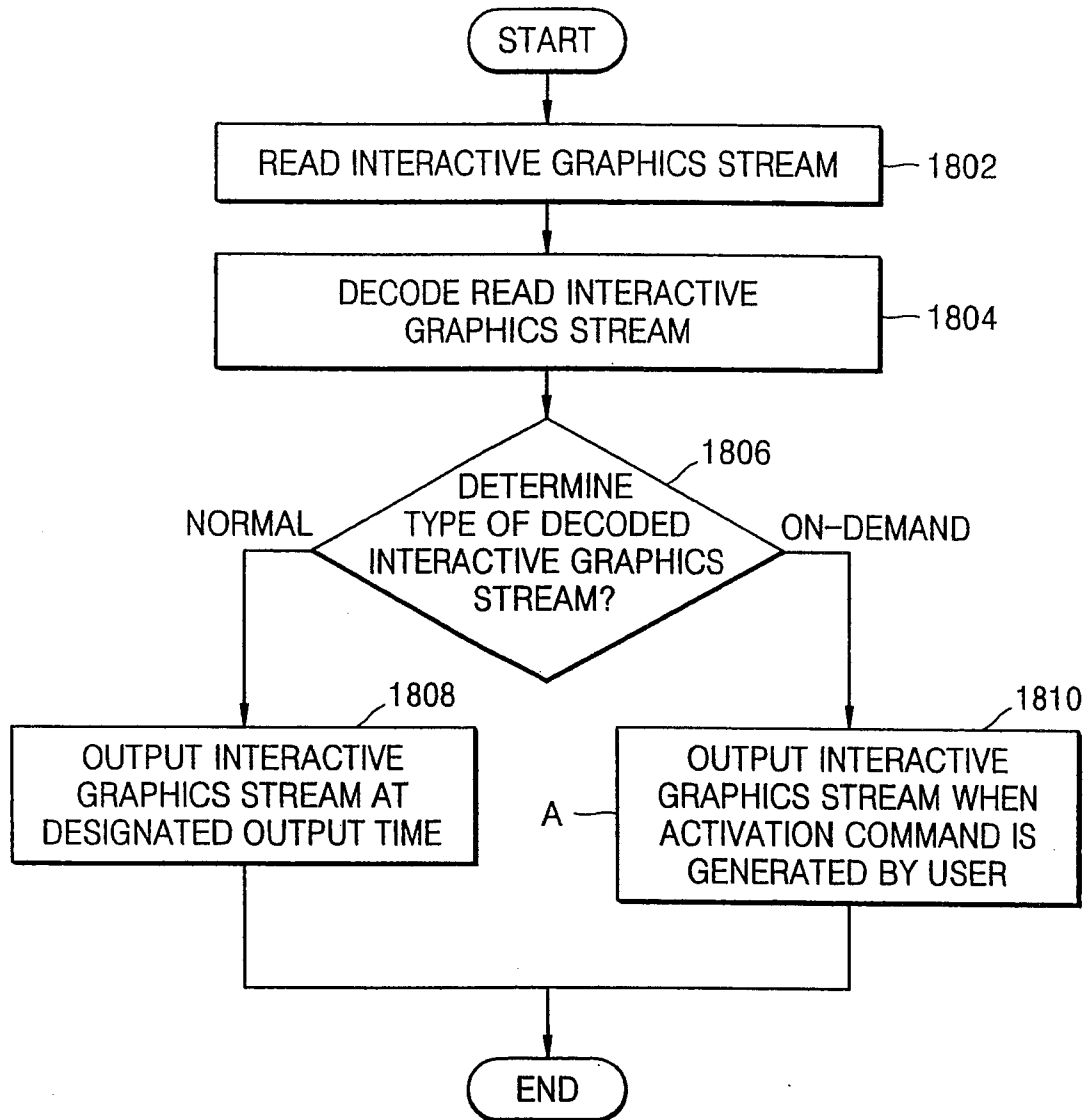


FIG. 19

